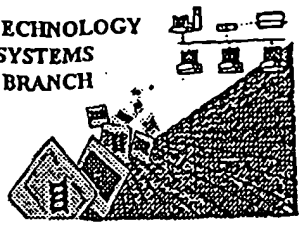
BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/716,578
Source: IFW16
Date Processed by STIC: 12/28/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

IFW16

RAW SEQUENCE LISTING DATE: 12/28/2004
PATENT APPLICATION: US/10/716,578 TIME: 09:43:42

Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

Does Not Comply
Corrected Diskette Needed

```
 3 <110> APPLICANT: Ekwuribe, Nnochiri N.
 4       Radhakrishnan, Balasingam
 5       Price, Christopher H.
 6       Anderson, Wesley R.
 7       Ansari, Aslam M.
 9 <120> TITLE OF INVENTION: Methods Of Altering The Binding Affinity Of A Peptide To Its
10       Receptor
12 <130> FILE REFERENCE: 014811-30.8DV4
14 <140> CURRENT APPLICATION NUMBER: 10/716,578
15 <141> CURRENT FILING DATE: 2003-11-19
17 <150> PRIOR APPLICATION NUMBER: 09/134,803
18 <151> PRIOR FILING DATE: 1998-08-14
20 <160> NUMBER OF SEQ ID NOS: 52
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 6
26 <212> TYPE: PRT
27 <213> ORGANISM: artificial sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Synthetic
32 <220> FEATURE:
33 <221> NAME/KEY: MOD_RES
34 <222> LOCATION: (6)..(6)
35 <223> OTHER INFORMATION: Polymer connected to epsilon-amino group
37 <400> SEQUENCE: 1
39 Tyr Gly Gly Phe Met Lys
40 1               5
44 <210> SEQ ID NO: 2
46 <211> LENGTH: 6
48 <212> TYPE: PRT
50 <213> ORGANISM: artificial sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Synthetic
56 <220> FEATURE:
58 <221> NAME/KEY: MOD_RES
60 <222> LOCATION: (1)..(1)
62 <223> OTHER INFORMATION: Polymer connected to alpha-amino group
66 <220> FEATURE:
68 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (6)..(6)
72 <223> OTHER INFORMATION: Polymer connected to epsilon-amino group
76 <400> SEQUENCE: 2
78 Tyr Gly Gly Phe Met Lys
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gp 5-6

RAW SEQUENCE LISTING DATE: 12/28/2004
PATENT APPLICATION: US/10/716,578 TIME: 09:43:42

Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

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79 1               5
81 <210> SEQ ID NO: 3
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87 <213> ORGANISM: artificial sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Synthetic
93 <220> FEATURE:
95 <221> NAME/KEY: MOD_RES
97 <222> LOCATION: (1)..(1)
99 <223> OTHER INFORMATION: Polymer connected to alpha-amino group
103 <400> SEQUENCE: 3
105 Tyr Gly Gly Phe Met Lys
106 1               5
108 <210> SEQ ID NO: 4
110 <211> LENGTH: 6
112 <212> TYPE: PRT
114 <213> ORGANISM: artificial sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Synthetic
120 <220> FEATURE:
122 <221> NAME/KEY: MOD_RES
124 <222> LOCATION: (1)..(1)
126 <223> OTHER INFORMATION: ACETYLATION
130 <220> FEATURE:
132 <221> NAME/KEY: MOD_RES
134 <222> LOCATION: (6)..(6)
136 <223> OTHER INFORMATION: AMIDATION
140 <400> SEQUENCE: 4
142 Phe Arg Trp Trp Tyr Lys
143 1               5
145 <210> SEQ ID NO: 5
147 <211> LENGTH: 6
149 <212> TYPE: PRT
151 <213> ORGANISM: artificial sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Synthetic
157 <220> FEATURE:
159 <221> NAME/KEY: MOD_RES
161 <222> LOCATION: (1)..(1)
163 <223> OTHER INFORMATION: ACETYLATION
167 <220> FEATURE:
169 <221> NAME/KEY: MOD_RES
171 <222> LOCATION: (6)..(6)
173 <223> OTHER INFORMATION: AMIDATION
177 <400> SEQUENCE: 5
179 Arg Trp Ile Gly Trp Lys
180 1               5
182 <210> SEQ ID NO: 6
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RAW SEQUENCE LISTING DATE: 12/28/2004
PATENT APPLICATION: US/10/716,578 TIME: 09:43:42

Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

184 <211> LENGTH: 6
186 <212> TYPE: PRT
188 <213> ORGANISM: artificial sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Synthetic
194 <220> FEATURE:
196 <221> NAME/KEY: MOD_RES
198 <222> LOCATION: (6)..(6)
200 <223> OTHER INFORMATION: AMIDATION
204 <220> FEATURE:
206 <221> NAME/KEY: UNSURE
208 <222> LOCATION: (6)..(6)
210 <223> OTHER INFORMATION: Xaa can be any of the twenty naturally occurring amino acids
214 <400> SEQUENCE: 6
W--> 216 **Trp Trp Pro Lys His Xaa**
217 1 5
219 <210> SEQ ID NO: 7
221 <211> LENGTH: 4
223 <212> TYPE: PRT
225 <213> ORGANISM: artificial sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Synthetic
231 <220> FEATURE:
233 <221> NAME/KEY: MOD_RES
235 <222> LOCATION: (4)..(4)
237 <223> OTHER INFORMATION: AMIDATION
241 <220> FEATURE:
243 <221> NAME/KEY: UNSURE
245 <222> LOCATION: (4)..(4)
247 <223> OTHER INFORMATION: Xaa is either Lys or Arg
251 <400> SEQUENCE: 7
W--> 253 **Trp Trp Pro Xaa**
254 1
256 <210> SEQ ID NO: 8
258 <211> LENGTH: 6
260 <212> TYPE: PRT
262 <213> ORGANISM: artificial sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Synthetic
268 <220> FEATURE:
270 <221> NAME/KEY: MOD_RES
272 <222> LOCATION: (6)..(6)
274 <223> OTHER INFORMATION: AMIDATION
278 <220> FEATURE:
280 <221> NAME/KEY: UNSURE
282 <222> LOCATION: (6)..(6)
284 <223> OTHER INFORMATION: Xaa can be any one of the naturally occurring amino acids
288 <400> SEQUENCE: 8
W--> 290 **Tyr Pro Phe Gly Phe Xaa**

RAW SEQUENCE LISTING DATE: 12/28/2004
PATENT APPLICATION: US/10/716,578 TIME: 09:43:42

Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

291 1 5
293 <210> SEQ ID NO: 9
295 <211> LENGTH: 7
297 <212> TYPE: PRT
299 <213> ORGANISM: artificial sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Synthetic
305 <220> FEATURE:
307 <221> NAME/KEY: MOD_RES
309 <222> LOCATION: (1)..(5)
311 <223> OTHER INFORMATION: Amino acids are in the D-form
315 <220> FEATURE:
317 <221> NAME/KEY: MOD_RES
319 <222> LOCATION: (6)..(6)
321 <223> OTHER INFORMATION: n is 0 or 1
325 <220> FEATURE:
327 <221> NAME/KEY: MOD_RES
329 <222> LOCATION: (7)..(7)
331 <223> OTHER INFORMATION: Xaa is Gly or the D-form of a naturally occurring amino acid
335 <220> FEATURE:
337 <221> NAME/KEY: MOD_RES
339 <222> LOCATION: (7)..(7)
341 <223> OTHER INFORMATION: AMIDATION
345 <400> SEQUENCE: 9
W--> 347 **Ile Met Ser Trp Trp Gly Xaa**
348 1 5
350 <210> SEQ ID NO: 10
352 <211> LENGTH: 6
354 <212> TYPE: PRT
356 <213> ORGANISM: artificial sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: Synthetic
362 <220> FEATURE:
364 <221> NAME/KEY: MOD_RES
366 <222> LOCATION: (1)..(4)
368 <223> OTHER INFORMATION: Amino acids are in the D-form
372 <220> FEATURE:
374 <221> NAME/KEY: MOD_RES
376 <222> LOCATION: (6)..(6)
378 <223> OTHER INFORMATION: Xaa is Gly or the D-form of a naturally-occurring amino acid
382 <220> FEATURE:
384 <221> NAME/KEY: MOD_RES
386 <222> LOCATION: (6)..(6)
388 <223> OTHER INFORMATION: AMIDATION
392 <400> SEQUENCE: 10
W--> 394 **Ile Met Thr Trp Gly Xaa**
395 1 5
397 <210> SEQ ID NO: 11
399 <211> LENGTH: 4

RAW SEQUENCE LISTING DATE: 12/28/2004
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Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

401 <212> TYPE: PRT
403 <213> ORGANISM: artificial sequence
405 <220> FEATURE:
406 <223> OTHER INFORMATION: Synthetic
409 <220> FEATURE:
411 <221> NAME/KEY: MOD_RES
413 <222> LOCATION: (2)..(2)
415 <223> OTHER INFORMATION: Xaa is A1, wherein A1 is the D-form of Nve or Nle
419 <220> FEATURE:
421 <221> NAME/KEY: MOD_RES
423 <222> LOCATION: (3)..(3)
425 <223> OTHER INFORMATION: Xaa is B2, wherein B2 is Gly, Phe, or Trp
429 <220> FEATURE:
431 <221> NAME/KEY: MOD_RES
433 <222> LOCATION: (4)..(4)
435 <223> OTHER INFORMATION: Xaa is C3, wherein C3 is Trp or Nap
439 <220> FEATURE:
441 <221> NAME/KEY: MOD_RES
443 <222> LOCATION: (4)..(4)
445 <223> OTHER INFORMATION: AMIDATION
449 <400> SEQUENCE: 11
W--> **451 Tyr Xaa Xaa Xaa**
452 1
454 <210> SEQ ID NO: 12
456 <211> LENGTH: 3
458 <212> TYPE: PRT
460 <213> ORGANISM: artificial sequence
462 <220> FEATURE:
463 <223> OTHER INFORMATION: Synthetic
466 <220> FEATURE:
468 <221> NAME/KEY: MOD_RES
470 <222> LOCATION: (1)..(1)
472 <223> OTHER INFORMATION: Tyr has at its N-terminus an Me-x-H-y-N group, wherein x is 0, 1,
473 or 2; and y is 0, 1, or 2, with the proviso that x and y is neve
474 r greater than ?
478 <220> FEATURE:
480 <221> NAME/KEY: MOD_RES
482 <222> LOCATION: (1)..(2)
484 <223> OTHER INFORMATION: The amine between the first Tyr and the second Tyr is methylated
489 <220> FEATURE:
491 <221> NAME/KEY: MOD_RES
493 <222> LOCATION: (3)..(3)
495 <223> OTHER INFORMATION: Xaa is Xaa-z, wherein Xaa is Phe, (D)Phe, or NHBzl and wherein z
496 is 0 or ?
500 <220> FEATURE:
502 <221> NAME/KEY: MOD_RES
504 <222> LOCATION: (3)..(3)
506 <223> OTHER INFORMATION: AMIDATION
510 <400> SEQUENCE: 12

to confirm: is this the same as Nva?

FYI: Xaa can only represent a single amino acid

greater than what?

FYI: Xaa can only represent a single amino acid

or what? Please ensure subsequent sequences don't show these typos / errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/28/2004
PATENT APPLICATION: US/10/716,578 TIME: 09:43:43

FYI

Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 6
Seq#:7; Xaa Pos. 4
Seq#:8; Xaa Pos. 6
Seq#:9; Xaa Pos. 1
Seq#:10; Xaa Pos. 6
Seq#:11; Xaa Pos. 2,3,4
Seq#:12; Xaa Pos. 3
Seq#:13; Xaa Pos. 4,6
Seq#:14; Xaa Pos. 2
Seq#:15; Xaa Pos. 2
Seq#:16; Xaa Pos. 2
Seq#:17; Xaa Pos. 2
Seq#:18; Xaa Pos. 2
Seq#:19; Xaa Pos. 2
Seq#:20; Xaa Pos. 2
Seq#:21; Xaa Pos. 2
Seq#:22; Xaa Pos. 2
Seq#:23; Xaa Pos. 2
Seq#:24; Xaa Pos. 2
Seq#:25; Xaa Pos. 2
Seq#:26; Xaa Pos. 2
Seq#:27; Xaa Pos. 2
Seq#:28; Xaa Pos. 2
Seq#:29; Xaa Pos. 2
Seq#:30; Xaa Pos. 2
Seq#:31; Xaa Pos. 2
Seq#:32; Xaa Pos. 2
Seq#:33; Xaa Pos. 2
Seq#:34; Xaa Pos. 2
Seq#:35; Xaa Pos. 2,3
Seq#:36; Xaa Pos. 2
Seq#:37; Xaa Pos. 2
Seq#:38; Xaa Pos. 2
Seq#:39; Xaa Pos. 2
Seq#:40; Xaa Pos. 2
Seq#:41; Xaa Pos. 2
Seq#:42; Xaa Pos. 2
Seq#:43; Xaa Pos. 2
Seq#:44; Xaa Pos. 2
Seq#:45; Xaa Pos. 2
Seq#:46; Xaa Pos. 2
Seq#:47; Xaa Pos. 2

VERIFICATION SUMMARY DATE: 12/28/2004
PATENT APPLICATION: US/10/716,578 TIME: 09:43:43

Input Set : E:\SequenceList_014811-30.8DV4(Updated).txt
Output Set: N:\CRF4\12282004\J716578.raw

L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:1121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:1159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:1244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0